

**RAPORT ZILNIC PRIVIND CALITATEA AERULUI IN MUNICIPIUL SEBES
07 MARTIE 2021**



DATE CALITATE AER MUNICIPIUL SEBES -

SISTEM PROPRIU DE MASURARE - Kogalniceanu, nr. 114 A

Valori medii orare

| Time | PM1 | PM2.5 | PM4 | PM10 | PMtot | Benzen | Toluen | Etil-benzen | CO | NO | NO2 | NOx | O3 | SO2 | Formald ehida |
|--------------|---------------|---------------|---------------|---------------|---------------|--------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|---------------|
| h:min | µg/m3 | µg/m3 | µg/m3 | µg/m3 | µg/m3 | µg/m3 | µg/m3 | µg/m3 | mg/m3 | µg/m3 | µg/m3 | µg/m3 | µg/m3 | µg/m3 | mg/m3 |
| 1:00 | 35.61 | 37.08 | 37.91 | 41.17 | 44.96 | 2.91 | 2.28 | 0.66 | 0.82 | 3.33 | 26.27 | 31.36 | 25.22 | 14.09 | 0.005 |
| 2:00 | 54.28 | 56.42 | 57.89 | 62.32 | 67.83 | 5.98 | 4.16 | n/a | 0.83 | 5.61 | 32.48 | 41.05 | 17.22 | 14.02 | |
| 3:00 | 50.03 | 51.57 | 52.28 | 54.13 | 56.12 | 3.23 | 7.42 | 1.54 | 0.82 | 5.09 | 27.56 | 35.34 | 14.93 | 14.38 | |
| 4:00 | 28.32 | 29.51 | 30.06 | 31.55 | 33.45 | 1.78 | 1.97 | n/a | 0.81 | 3.53 | 19.30 | 24.70 | 24.49 | 13.24 | |
| 5:00 | 37.14 | 38.86 | 39.77 | 42.60 | 46.49 | 2.06 | 1.85 | 0.62 | 0.82 | 4.64 | 30.34 | 37.43 | 11.51 | 13.23 | |
| 6:00 | 28.16 | 29.64 | 30.54 | 32.94 | 36.51 | 1.69 | 1.53 | 0.53 | 0.82 | 9.00 | 33.68 | 47.43 | 6.59 | 13.01 | |
| 7:00 | 29.38 | 30.65 | 31.51 | 33.53 | 36.52 | 2.28 | 1.65 | 0.52 | 0.83 | 12.07 | 34.24 | 52.68 | 6.99 | 13.04 | |
| 8:00 | 51.24 | 53.53 | 55.13 | 60.33 | 67.33 | 4.99 | 2.61 | 0.69 | 0.84 | 14.67 | 28.54 | 50.96 | 8.62 | 13.80 | |
| 9:00 | 41.75 | 43.57 | 44.73 | 50.90 | 60.07 | 2.96 | 1.70 | n/a | 0.83 | 10.05 | 21.97 | 37.33 | 19.83 | 13.31 | |
| 10:00 | 30.70 | 32.24 | 33.42 | 38.06 | 44.28 | 1.33 | 1.12 | n/a | 0.82 | 5.56 | 14.57 | 23.07 | 43.31 | 13.33 | |
| 11:00 | 8.62 | 9.28 | 9.72 | 11.92 | 14.96 | 0.62 | 0.50 | n/a | 0.81 | 2.91 | 6.16 | 10.60 | 60.35 | 12.88 | |
| 12:00 | 5.90 | 6.36 | 6.73 | 8.03 | 10.19 | 0.44 | 0.46 | n/a | 0.79 | 2.62 | 5.47 | 9.48 | 68.89 | 12.99 | |
| 13:00 | 6.50 | 7.00 | 7.41 | 8.74 | 11.07 | 0.49 | 0.56 | 0.25 | 0.79 | 2.94 | 6.03 | 10.53 | 70.00 | 13.08 | |
| 14:00 | 7.83 | 8.45 | 8.85 | 10.36 | 12.90 | 0.54 | 0.62 | n/a | 0.84 | 2.48 | 5.30 | 9.10 | 70.96 | 12.55 | |
| 15:00 | 8.34 | 8.95 | 9.40 | 10.53 | 12.19 | 0.48 | 0.46 | n/a | 0.88 | 2.64 | 5.64 | 9.68 | 72.96 | 12.81 | |
| 16:00 | 8.69 | 9.23 | 9.63 | 11.13 | 13.22 | 0.46 | 0.37 | 0.28 | 0.85 | 2.21 | 5.46 | 8.85 | 74.86 | 12.96 | |
| 17:00 | 8.34 | 8.96 | 9.44 | 11.39 | 14.15 | 0.47 | 0.43 | n/a | 0.82 | 2.19 | 6.28 | 9.62 | 74.06 | 13.09 | |
| 18:00 | 8.40 | 9.14 | 9.73 | 12.03 | 14.82 | 0.54 | 0.48 | n/a | 0.81 | 2.46 | 10.11 | 13.84 | 68.99 | 13.99 | |
| 19:00 | 12.35 | 13.52 | 14.45 | 18.05 | 22.63 | 1.37 | 1.59 | 0.64 | 0.84 | 3.28 | 16.19 | 21.21 | 59.41 | 13.67 | |
| 20:00 | 23.75 | 24.95 | 25.83 | 29.91 | 36.66 | 4.23 | 2.31 | 0.67 | 0.91 | 3.80 | 27.66 | 33.47 | 42.73 | 13.12 | |
| 21:00 | 34.10 | 35.66 | 37.05 | 41.73 | 47.55 | 3.23 | 1.48 | n/a | 0.86 | 5.00 | 32.24 | 39.87 | 38.86 | 13.59 | |
| 22:00 | 55.43 | 57.37 | 58.79 | 64.84 | 72.81 | 6.79 | 3.28 | 0.80 | 0.84 | 6.98 | 38.35 | 49.01 | 24.83 | 14.11 | |
| 23:00 | 114.90 | 118.82 | 121.53 | 130.64 | 141.99 | 12.37 | 5.84 | n/a | 0.87 | 16.98 | 51.55 | 77.51 | 7.54 | 14.75 | |
| 24:00 | 148.65 | 153.51 | 156.79 | 169.01 | 184.49 | 9.91 | 5.55 | 1.14 | 0.88 | 20.78 | 47.16 | 78.91 | 6.41 | 14.22 | |
| Min | 5.90 | 6.36 | 6.73 | 8.03 | 10.19 | 0.44 | 0.37 | 0.25 | 0.79 | 2.19 | 5.30 | 8.85 | 6.41 | 12.55 | |
| Max | 148.65 | 153.51 | 156.79 | 169.01 | 184.49 | 12.37 | 7.42 | 1.54 | 0.91 | 20.78 | 51.55 | 78.91 | 74.86 | 14.75 | |
| Medie | 34.93 | 36.43 | 37.44 | 41.08 | 45.97 | 2.96 | 2.09 | 0.69 | 0.83 | 6.28 | 22.19 | 31.79 | 38.32 | 13.47 | |

Indice specific privind calitatea aerului in Municipiul Sebes - ORDIN 1818/2020

| | |
|--------------------------------|---|
| Particule in suspensie (PM2,5) | 4 |
| Dioxid de azot (NO2) | 2 |
| Dioxid de sulf (SO2) | 1 |
| Ozon (O3) | 2 |
| Particule in suspensie (PM10) | 3 |

| | |
|---|---------------|
| 1 | Bun |
| 2 | Acceptabil |
| 3 | Moderat |
| 4 | Rau |
| 5 | Foarte rau |
| 6 | Extrem de rau |

| | |
|-----------------------|---|
| Indice zilnic general | 4 |
|-----------------------|---|

*Metoda de determinare utilizată de analizoarele ce compun sistemul este metoda automată

Limite maxime admise

| | | |
|------------------------------|---|----------------|
| Monoxid de carbon - (CO) | 10 mg/mc - valoarea maxima zilnica a mediilor pe 8 ore | Legea 104/2011 |
| Ozon - (O3) | 120 µg/mc - valoarea maxima zilnica a mediilor pe 8 ore | Legea 104/2011 |
| Dioxid de azot- (NO2) | 200 µg/mc limita orara ; 40 µg/mc limita anuala | Legea 104/2011 |
| Dioxid de sulf - (SO2) | 350 µg/mc limita orara ; 125 µg/mc limita zilnica | Legea 104/2011 |
| Pulberi in suspensie (PM10) | 50 µg/mc limita zilnica ; 40 µg/mc limita anuala ; | Legea 104/2011 |
| Pulberi in suspensie (PM2.5) | 20 µg/mc limita anuala | Legea 104/2011 |
| Benzen - (C6H6) | 5 µg/mc limita anuala | Legea 104/2011 |
| Formaldehida - (CHOH) | 0.012 mg/mc media la 24 h | STAS 12574/87 |